Approved for use through 07/31/2006. QMB 0651-0031

Hoder the Penns of Specific Ages Substitute for form 1449A/PTO

INFORMATION DISCLOSURE

(Use as many sheets as necessary)

Sheet 1 of 12

Customer No.	36735	
Attorney Docket Number	WEAT/0116.C1	
Examiner Name	Unknown	
Group Art Unit	3672	
First Named Inventor	David M. Haugen	
Filing Date	July 23, 2003	
Application Number	10/625,840	

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Cotarins, Lines, Where
Initials*	No.	Number-Kind Code ² (Facility	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages of Pelevant
Su	A1	US-2,167,338	07-25-1939	Murcell	
1	A2	US-2,228,503	01-14-1941	Boyd, et al.	
	A3	US-2,370,832	03-06-1945	Baker	
	A4	US-2,379,800	07-03-1945	Hare	
	A5	US-2,414,719	01-21-1947	Cloud	
	A6	US-2,720,267	10-11-1955	Brown	
	A7	US-2,741,907	06-06-1997	Genender, et al.	
	A8	US-3,006,415	10-31-1961	Bums, et al.	X
	A9	US-3,041,901	07-03-1962	Knights	X
	A10	US-3,054,100	09-11-1962	Jones	
	A11	US-3,090,031	05-14-1963	Lord	
	A12	US-3,111,179	11-19-1963	Albers, et al.	
	A13	US-3,117,636	01-24-1964	Wilcox, et al.	
	A14	US-3,124,023	3-10-1964	Marquis, et al.	
	A15	US-3,131,769	05-05-1964	Rochemont	
P /	7462	-US-3,193,116	07-06-1965	Konneday, et al.	+/
1	A17	US-3,419,079	12-31-1968	Current	
V	A18	US-3,548,936	12-22-1970	Kilgore, et al.	1/

		FOR	EIGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ₀
Initials*	No.'	Number-Kind Code ² (f known) MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
3W	81	CA 2 335 192	11-30-2001	Kozak		
7	B2	DE 3 523 221	02-01-1987	Svetozar		
/	В3	DE 3 918 132	12-14-1989	Eriksson		
11/	B4	EP 0 474 481	03-11-1992	Moody		
V	B5	EP 0 087 373	08-31-1983	Plaquin		

This collection of information is coursed by 20 CPR 187 and 188. The Information is required to death or writin in bornels by the packs which is in the Cept by the USPTO is proposed an agreement of Confidentiality is generally by 50 U.S.C. 120 and 7 CPR 11.1 Red recording in a section of the statement to take 2 hours in complete, inchinging patienting, and statement the contrades application term to be USPTO. There will vary depending upon the individual case, Any comments on the amount of time your reader to complete to follow the complete of patients for excluding this burden. However, the contrades the complete contrades the complete contrades the complete contrades the complete contrades to the complete contrades the contrades the complete contrades the complete contrades the contrades the complete contrades the complete contrades the contrades the contrades the complete contrades the contrades the contrades the complete contrades the contrades the contrades the contrades the contrades the complete contrades the contrades

of previously cited on 970-1449 (12082003)

of 12

Approved for uso through 07/31/2006, OMB 0851-0031
U.S. Potent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

10/625.840 Application Number July 23, 2003 Filing Date First Named Inventor David M. Haugen Group Art Unit 3672 Examiner Name Unknown Attorney Docket Number WEAT/0116.C1 Customer No. 36735 Submission Date January 13, 2005

				U.S. PATENT	DOCUMENTS		
	Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Col	ımıns, Lines, Where
	Initials*	No.1	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Class Figi	seages or Relevant ires Appear Sub-
	75W	A19	US-3,552,507	01-05-1971	Brown		
		A20	US-3,552,848	01-05-1971	Van Wagner	1	
4	-	A21	V8 3,566,605	03-02-1971	-Martin	1.1	
•		A22	US-3,602,302	08-31-1971	Kluth	1	
		A23	US-3,606,664	09-21-1971	Weiner		
Ŋ	-	A84	U9-9,695,105	91-18-1978	Diekmann, et al.		
		A25	US-3,680,412	08-01-1972	Mayer, et al.		
*	_	A28	-U8-3,891,825	00-19-1072	Dyer		
		A27	US-3,696,332	10-03-1972	Dickson, Jr., et al.	1	
		A28	US-3,776,320	12-04-1973	Brown		
*		A20	U9-3,779,684	12-04-1979	Morous		
*		A30	US-9,949,684	11-19-1974	Woot	7	
X		AUT	UC 0,857,450	12-01-1074	Gulor	7	
Ŷ	-	A32	US 3,949,987	10-21-1075	Gyongyosi- et al.		
`		A33	US-4,054,332	10-18-1977	Bryan, Jr.	1/	
		A34	US-4,095,885	06-20-1978	Denison, et al.	17	
	1/	A35	U\$-4,127,927	12-05-1978	Hauk, et al.	7	
	V	A36	US-4,194,383	03-25-1980	Huzyak)

		FOR	EIGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,	T⁰
Initials*	No.1	Number-Kind Code ^{2 (d known)}		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
134	B6	EP 0 162 000	11-21-1985	Hamilton		
T	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
1,	B8	EP 0 285 386	10-05-1988	Haney		
177	B 9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis	,	

This confidence of information is required by 37 CEA 157 and 1.88. The information is required to adult or units a benefit by the partic, which is its Circle by the USFTO or process) an application of information of the particle by 35 LEAC 152 and 37 CERT 1.18. The confidence is extended to the same time and the particle or interest to the particle of the particle or interest to the particle

* perinds cital on PT01449 (12082003)

Sheet 3

PTO:SB:035 (03-03)
Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

36735

January 13, 2005

10/625.840 Substitute for form 1449A/PTO Application Number July 23, 2003 Filing Date INFORMATION DISCLOSURE David M. Haugen First Named Inventor STATEMENT BY APPLICANT Group Art Unit 3672 Examiner Name Unknown (Use as many sheets as necessary) WEAT/0116.C1 Attorney Docket Number

Customer No.

Submission Date

of 12

				U.S. PATENT	DOCUMENTS		
	Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pagesycol	mns, Lines, Where
	Initials*	No.'	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Helevant Pa	ssages of Relevant A
ſ	14h	A37	US-4,227,197	10-07-1980	Nimmo, et al.	1.1/	
ſ		A38	US-4,241,878	12-30-1980	Underwood	11/	
ſ		A39	US-4,277,197	07-07-1981	Bingham		
T		A40	US-4,280,380	07-28-1981	Eshghy		
ı		A41	US-4,311,195	01-19-1982	Mullins, II		
Ī		A42	US-4,392,534	07-12-1983	Miida		
Ī		A43	US-4,407,378	10-04-1983	Thomas	1	17
Ī		A44	US-4,427,063	01-24-1984	Skinner		
Ч		- A43	US-4,497,963	03-20-1984	Haynes		X
		A46	US-4,445,734	05-01-1984	Cunningham		
4		A47	US-4,449,596	05-22-1984	Boyadjieft-		
4		A48	-US-4,494,424	01-22-1985	-Batos-		
4	=	A49-	TREATURE TO SERVICE TO	07-16-1085	Buyardjielf, et al.	1 7	
4		A50	UG-4-570,706	02-18 4988	Pagnet -	17	
T		A51	US-4,592,125	06-03-1986	Skene	7	
4	_	100	UG 4 500 779	08-10-1986	Sinio	17	
١,		A53	US-4,605,268	08-12-1986	Meador	1/	
4		A54	US 45 15 08	12 02-1986	Boyard off -	V 1	

		FOR	EIGN PATENT I	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T⁰
Initials*	No.1	Number-Kind Code ^{2 (i known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
14W	B11	EP 0 589 823	03-03-1994	Busink, et al.		
T	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
11/	B14	EP 0 881 354	04-24-1998	Vercaemen, et al.		
V	B15	EP 0 982 384	12-08-1999	Poldervaart		$\overline{}$

DOMINER Visit IT supplies considered, whether or no distant is in contemporary and produced in the contemporary and order of contemporary and order orde

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by no USPTO to process) an application.
Continuously is exercised by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to use 2 flows to complete, including gastwering, preparing, and submitting the controlled application (and the public date of the public da

Please type a plus sign (+) inside this box ightarrow

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Lise as many sheets as necessary)

 Filing Date
 July 23, 2003

 First Named Inventor
 David M. Haugen

 Group At Unit
 3872

 Examiner Name
 Unknown

 Attorney Docket Number
 WEAT/0116.C1

10/625.840

 Sheet
 4
 of
 12
 Submission Date
 January 13, 2005

Application Number

				U.S. PATENT	DOCUMENTS	_	
	Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages/Colu	mns, Lines, Where
	Initials*	No.1 Number-Kind Code ^{2 (Florows)}		MM-DD-YYYY Applicant of Cited Document	Relevant Pa	ssages or Relevant	
	ZW.	A55	US-4,646,827	03-03-1987	Cobb	/	
V_	0	A56	US-4,649,777	03-17-1987	Oyeles.	/	
*		A57	US-4,667,752	05-26-1987	Berry, et al.		
		A58	US-4,676,312	06-30-1987	Mosing, et al.		
		A59	US-4,683,962	08-04-1987	True '		
		A60	US-4,691,587	09-08-1987	Farrand, et al.		
	٠.,	A61	US-4,709,599	12-01-1987	Buck		7
		A62	US-4,709,766	12-01-1987	Boyadjieff		V
		A63	US-4,738,145	04-19-1988	Vincent, et al.		1
		A64	US-4,742,876	05-10-1988	Barthelemy, et al.		X
æ		A65	-U8-4-759-239	07-26-1988	Hamilton, at ol."		
X	-	A80-	UQ.4,705,401	U0-20-4980 -	Boyadjiell		
*	$\overline{}$	A67	US 4,773,689	09-27-1088	-Wolters -		
1.		A88	US-4,775,009	10-04-1988	Wittrisch, et al.		
		A69	US-4,781,359	11-01-1988	Matus		
v		A70	US-4,788,544	11-29-1988	Howard	17	
*	7	A71	US-4,703,900	12-20-1988	Kraeneo	V	
		A72	US-4,793,422	12-27-1988	Krasnov /	1	

		FOR	EIGN PATENT	DOCUMENTS		
Examiner	Cite Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁴	
Initials*	No.t	Number-Kind Code ^{2 (I known)} MM-Di	MM-DD-YYYY		Where Relevant Passages or Relevant Figures Appear	
Jul.	B16	EP 1 256 691	11-13-2002	Hawkins, et al.		
7	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B18	GB 2 115 940	09-14-1983	Plaquin		Т
W	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Elane, et al.		

EXAMPLET: thild if returning photodored, whether or not obtation is in conformance with MPEP 200, Draw line through clasticn it not in conformance and not distributed, broadle could be conformance and not distributed. Evolution could be conformance and not distributed by the conformance and

This addition of information is required by 37 CPR a 127 and 1.83. The Information is required to placing or which is based by the guide by the USPTO in process) an application. Confidentiating is partnership by 51.1.53. CE and 37 CPR 11.4 The contention is estimated as task 3 bown in common complex, procedure, and appending the completed application town to the USPTO. Time with vary oppositing upon the individual case. Any commons on the amount of time you needs to complete application town to the complete application to the complete

* previols atal 901449 (12082003)

January 13, 2005

Piecse type a plus sign (+) inside this box ->

Sheet 5

10/625 840 Substitute for form 1449A/PTO Application Number Filing Date July 23, 2003 INFORMATION DISCLOSURE First Named Inventor David M. Haugen STATEMENT BY APPLICANT Group Art Unit 3672 Examiner Name Unknown (Use as many sheets as necessary) Attorney Docket Number WEAT/0116.C1 Customer No. 36735

Submission Date

of | 12

					U.S. PATENT	DOCUMENTS		. 1 .
		Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Palentee or	Pages, Q	olumns, Lines, Where
			NO.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant	Passages Of Relevent
2_	10	22	A23-	US-8.800.968/	01-31-1989	Shaw, et al.	0	1
	2	W.	A74	US-4,806,928	02-21-1989	Veneruso	1	1
de.	J		A75	US-4,813,493	03-21-1980	Shaw et al		/
*			A76-	U0-4,836,064	06 06-1089	- Stater		1
M.		_	A77.	US-4,907,238	09-19-1989	Haney, et.al.		1 /
*	$\overline{}$		A78	HE-4.878,548->	11 07 1989	snaw, oral.		1/
. [$\Box I$		A79	US-4,901,069_	02-13-1990	Veneruso		
[$\Box I$		A80	US-4,936,382	06-26-1990	Thomas	1	1/
			A81	US-4,962,579	10-16-1990	Moyer, et al.		/
4	-		A82	00 6,000,200	04-23-1991	Balley, ot als		$\overline{}$
\vdash	-		A83-	US-5100-007	Ω8-Ω8-1091	-Willio	1	1
[A84	US-5,141,063	08-25-1992	Quesenbury	1 /1	_
[A85	US-5,176,518	01-05-1993	Hordijk, et al.	1/1	
			A86	US-5,191,932-	03-09-1993	Seefried, et al.		
- [A87	US-5,224,540	07-06-1993	Streich, et al.	1/	
			A88	US-5,233,742	08-10-1993	Gray, et al.	7	
IJ	V	,]	A89	US-5,245,265	09-14-1993	Clay	1	
×	7	-	ASO .	10000001700	10-12-1993	Richardson /	1	

FOREIGN	PATENT	DOCUMENTS

		- FOR	EIGN PATENT	DOCUMENTS	1	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T°
iritials	NO.	Number-Kind Code ^{2 (f known)} MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
200	B21	GB 2 294 715	08-05-1996	Tibbitts		
8	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		H
11/	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
0	B25	GB 2 372 765	09-04-2002	Head		

* previously cital in PTO 1449 (12082003)

Substitute for form 1449A/PTO

Sheet 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

-			T
	Application Number	10/625,840	1
	Filing Date	July 23, 2003	_
	First Named Inventor	David M. Haugen	
	Group Art Unit	3672	
	Examiner Name	Unknown	
	Attorney Docket Number	WEAT/0116.C1	
	Customer No.	36735	_

January 13, 2005

				U.S. PATENT	DOCUMENTS		
Exam		Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages Columns,	Lines, Where
		NO.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passabi	ppear Swb,
36	J	A91	US-5,271,468	12-21-1993	Streich, et al.		7
		A92	US-5,305,839	04-26-1994	Kalsi, et al.		
V		A93	US-5,332,043	07-26-1994	Ferguson		
_		A94	-UG-6-351-767	10-04-1994	Stognes, et al.		_/_
		A95	-UG-64000493	02-14-1998	-(Beary-		
3	٧	A96	US-5,394,823	03-07-1995	Lenze		/
_		A97	US 5,433,079	07-18-1995	Instance al.		/
3	W	A98	US-5,494,122	02-27-1996	Larsen, et al.		/
		A99 -	US-5 ,704,000	03-20-1996	Borry .		
		A100	U\$5508,004	04-02-1996 -	Charitors.	T X	
4	W	A111	US-5,540,279	07-30-1996	Branch, et al.		
		A112	US-5,542,472	08-06-1996	Pringle, et al.		
	V	A113	US-5,542,473	08-06-1996	Pringle, et al.	 	·
		A114	(INC. SERVICE	09-10-1996 ==	Similin, Jr., et al.	1 /	1
		A115	JE 8 199,500	11-26-1996	Albinghi, et al.		T
	_	A116	-U0-0;040;484-	07-08-1997	Trevicuri	1	\neg
3	W	A117	US-5,706,894	0t-13-1998	Hawkins, III	1	1
_		A110	HC 5-701 410-	00.44.4000		T	-t-

Submission Date

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T
initials.	No.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1
MN	B26	GB 709 365	05-19-1954	Standard Oil Development		Г
1	B27	GB 716 761	10-13-1954	Standard Oil Development		Г
/	B28	GB 881 358	1t-01-1961	Kammerer, et al.		
11/	B29	GB 2 350 137	11-22-2000	Baugh, et al.		Г
V	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		Γ

This collection of Information is recuired by 37 CFR 1.97 and 1.93. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 53 U.S.C. 122 and 37 CFR 1.14. This obtains in satinated to take 2 hours to comprise, including gathering, preparing, and submitting the complete agricultural to the confidence of the confidenc

grewish atal 1449 (12082003)

Sheet 7

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Offico: U.S. DEPARTMENT OF COMMERCE

36735

January 13, 2005

Substitute for form 1449APTO Application Number 10/625,840

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Application Number 10/625,840

Filing Date July 23, 2003

First Named Inventor David M. Haugen

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEATOULS C1

Customer No.

Submission Date

of 12

L				U.S. PATENT	DOCUMENTS			
Examiner Initials*			Document Number	Publication Date	Name of Patentee or	Pages, Columins, Lines, Where		
L"	illidis	No.	Number-Kind Code ^{2 (8 known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Pas		
┶		A110	US-5,803,101	09-08-1998	Mactifilesh	K	1	
	3.4.	A120	US-5,813,456	09-29-1998	Milner, et al.	1		
\vdash		A121	US-6,836,395	11-17-1998	Badde		/	
	<i>1</i> 5,Ψ.	A122	US-5,839,515	11-24-1998	Yuan, et al.	 	/	
L		A123	US-5,850,877	12-22-1998	Albright, et al.		 	
	\checkmark	A124	US-5,907,664	05-25-1999	Wang, et al.		1	
\vdash		A125	US:5,909;700	06-08-1999	Casmo, et al.	 	1/	
	3W.	A126	US-5,971,086	10-26-1999	Bee, et al.	 	1/	
L		A127	US-5,984,007	11-16-1999	Yuan, et al.	 	/	
	J	A128	US-5,988,273	11-23-1999	Monjure, et al.		χ	
\vdash		A129	U3-0,056,060	05-02-2000	Abrahayasan at al.	/		
┢		A130	US-6.070.500	00-08-2000	Dlask, stak			
	3,W.	A131	US-6,079,498	06-27-2000	Lima, et al.	 	_	
L		A132	US-6,079,509	06-27-2000	Bee, et al.	1 / 1	-	
L		A133	US-6,142,545	11-07-2000	Penman, et al.	 	$\overline{}$	
	\perp	A134	US-6,161,617	12-19-2000	Gjedebo	1/-		
L	V	A135	US-6,173,777	01-16-2001	Mullins	1/		
_	_	A136	US-6,169,641	03-19-2001	Downie, et al.	1/		

			FOR	EIGN PATENT	DOCUMENTS		
	Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
	mulais	L	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
علاق		831	WO 00/99429	07-08-2000	Pletras		
*		B32	WO 09/39430	07-06-2000	Rintras>		\neg
,	3.W.	B33	WO 00/46484	08-10-2000	Van Buren, et al.		-
	L	B34	WO 00/66879	11-09-2000	Hawkins, et al.		\neg
	₩	B35	WO 02/081863	10-17-2002	Simpson, et al.		\dashv
	Examiner	\mathcal{I}	mal		Date Considered	4/13/05	\lnot

EXAMENT: Intid it retereor defoundered, whether or not distant is in conformance with MEPE PGO. Down fee through distant it on it conformance and not confidence, including conformance and not conforma

This collection of information is required by 37 CPR 1.97 and 1.88. The information is required to detail or retain a benefit by the public which is to tip (and by the USPTO is process) or approximately it governed by 30 U.S.C. 122 and 37 CPR 1.14. This oblication is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from a particular configuration of the submitted application from a particular configuration from the submitted application from the submitted appl

* previously ated on 1449 (12087003)

Please type a plus sign (+) inside this box ightarrow

Substitute for form 1449A/PTO

Sheet 8

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

ersons are required to respond to a collec-	ction of information unless it displays a valid O	VR control numbe
Application Number	10/625,840	
Filing Date	July 23, 2003	
First Named Inventor	David M. Haugen	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0116.C1	
Customer No.	36735	
Submission Date	January 13, 2005	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	No.1	Publication Date	Name of Patentee or	Pages Colymns, Lines, Where		
muais	NO.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Pelevant		
Jah.	A137	US-6,223,823	05-01-2001	Head	1		
9	A138	US-6,227,587	05-08-2001	Terral			
	A139	US-6,275,938	08-14-2001	Bond, et al.			
	A140	US-6,290,432	09-18-2001	Exley, et al.			
	A141	US-6,305,469	10-23-2001	Coenen, et al.			
	A142	US-6,309,002	10-30-2001	Bouligny			
	A143	US-6,349,764	02-26-2002	Adams, et al.			
	A144	US-6,360,633	03-26-2002	Pietras			
	A145	US-6,367,566	04-09-2002	Hill			
	A146	US-6,374,506	04-23-1993	Clay			
	A147	US-6,392,317	05-21-2002	Hall, et al.			
	A148	US-6,429,784	08-06-2002	Belque, et al.			
	A149	US-6,431,626	03-13-2002	Bouligny			
- 20	A150	US-6,446,723	09-10-2002	Ramons, et al.			
	A151	US-6,622,796	09-23-2003	Pietras			
	A152	US-6,648,075	11-18-2003	Badrak, et al.			
1/	A153	US-6,688,394	02-10-2004	Ayling	1/		
V	A154	US-6,691,801	02-17-2004	Juhasz, et al.	1/		

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T°
muais	NO.	Number-Kind Code ² (# known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
Solv.	B36	WO 02/44601	06-06-2002	Appleford, et al.		
7	B37	WO 03/087525	10-23-2003	Vincent, et al.		_
	B38	WO 93/07358	04-15-1993	Eiane, et al.		_
1	B39	WO 96/18799	06-20-1996	Stokka		
V	B40	WO 98/05844	02-12-1998	Stokka		

DANINF: hild it releance congleted, wearar or not cleated is in conformance with MPEP 609. Draw line through clietoon line in conformance and not conditionable compared to the conformance and not conformanc

This coderous of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a bornelit by the public which is to list (and by the USPTO to process) an application. Confidentially is governed by 31 U.S.C. 122 and 37 CFR 1.14. This coloration is submitted to take 2 hows to comprise, including gathering, preparing, and activating the controlled application from to prepare the process of processor in the processor of the proces

Approved for use through 07/31/2008, OMB 0651-0031
U.S. Patent and Tredemark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Sheet 9

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

nemons are required to respond to a collec-	tion of information unless it displays a valid OVB control number
Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

			U.S. PATENT	DOCUMENTS	9
Examiner Initials*	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
	No.'		MM-DD-YYYY		Relevant Passages of Relevant
3W.	A155	US-6,698,595	03-02-2004	Norell, et al.	1
<u> </u>	A158	LIS-6,725,938	04-27-2004	Plottes	
ZW.	A157	US-6,742,596	06-01-2004	Haugen	
	A158	US-6,742,606	06-01-2004	Metcalfe, et al.	
	A159	US-2002/0070842	04-17-2003	Bailey, et al.	
	A160	US-2002/0108748	08-15-2002	Keyes	
1	A161	US-2003/0029641	02-13-2003	Meehan	
	A162	US-2003/0056947	03-27-2003	Cameron	
	A163	US-2003/0164250	09-04-2003	Wardley	X
	A164	US-2003/0164251	09-04-2003	Tulloch	
	A165	US-2003/0173090	09-18-2003	Cook, et al.	
	A166	US-2003/0213598	11-20-2003	Hughes	
1	A167	US-2004/0003944	01-08-2004	Vincent, et al.	
	A168	US-2004/000405	01-01-2004	Fournier, Jr., et al.	
	A169	US-2004/0011534	01-22-2004	Simonds, et al.	
	A170	US-2004/0060697	04-01-2004	Tilton, et al.	1/
1/	A171	US-2004/0069500	04-15-2004	Haugen	1/
J	A172	US-2004/0079533	04-29-2004	Buytaert, et al.	1/

		FORI	EIGN PATENT	DOCUMENTS			
aminer		Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁰
uais"	No.	Number-Kind Code ^{2 (d known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
	841	WO 987413822	03-19-1998	Studios -			
	842	WO-09/90048	07-30-1998	Piotrae.			
2W	B43	WO 99/35368	07-15-1999	Lohbeck, et al.			
	B44	W/3-0944485	08-19-1999	Plowes.			
2W	B45	WO 99/58810	11-18-1999	Abrahamsen, et al.			
	tials*	B41 843 B44	### Citis Foreign Patent Document	### Cita Foreign Patent Document Publication Date No. Number-Kind Code ^{2 st survey} MM-DD-YYYY MM-DD-YYYYY MM-DD-YYYYY MM-DD-YYYYY MM-DD-YYYYYY MM-DD-YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	### Access of Patent Document Publication Date No. Number-Kind Code ^{2 (I base)} Publication Date Number-Kind Code ^{2 (I base)} Publication Date Number-Kind Code ^{2 (I base)} MM-DD-YYYY Applicant of Cited Document	No. No. No. Number-Kind Code ² Fasce Mill-DV-YYY Appear Mill-DV-YYY Appear Mill-DV-YYY Number-Kind Code ² Fasce Mill-DV-YYYY Number-Kind Code ² Fasce Mill-DV-YYYYY Number-Kind Code ² Fasce Mill-DV-YYYYY Number-Kind Code ² Fasce Mill-DV-YYYYY Number-Kind Code ² Fasce Mill-DV-YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	

EXAMER: had a retreated considered, whater or not distant is in conformance with MPEP 600. Draw kine through classon if not in conformance and not considered, include copy of this form with an communication to applicant virtual or information despiration number (partners). See Kines Codes of USPTO Plants (Documents at www.uspit.agov or MEPS 901.0 Z. Sines Offices the Stored Commons by the working code (NFO Stored) of 3.2, A For Edition or plants a plant of common by the working code (NFO Stored) and seed of surface of the plant of common by the working code (NFO Stored) as seed in number of the plants and common. School common by the object of the plant of the plant of the plant of the plants of the plant of the plants of the plant of the plants of

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to £6 (and by the USPTO to process) an application, Continuously is governed by 35 U.S.C. 122 and 37 CFR 1.14. This obtained is estimated to take 2 hours to complete, brinching garbering, preparing, and submitting the completed explication from to the USPTO. Time us they optionaring uses the instruction £6. The control of the purpose of the complete and the most of the purpose of

* previous atel 10-1449 (06102004)

Sheet 10

of | 12

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0531-030
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

January 13, 2005

Substituta for form 1449A/PTO Application Number 10/625.840 Filing Date July 23, 2003 INFORMATION DISCLOSURE First Named Inventor David M. Haugen STATEMENT BY APPLICANT Group Art Unit 3672 Examiner Name Unknown (Use as many sheets as necessary) Attorney Docket Number WEAT/0116.C1 Customer No. 36735

Submission Date

			U.S. PATENT	DOCUMENTS		
Examinar Initials*	Cita No.1	Document Number	Publication Date	Name of Patentae or	₽ágas, Column	, Linas Where
1	140	Number-Kind Code ² (f known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Bessa	ges or figureant Appear
3/W.	A173	US-2004/0108142	06-10-2004	Vail, III	1	-34/
	A174	US-2004/0112646	06-17-2004	Vail		
	A175	US-2004/0118613	06-24-2004	Vail		
	A176	US-2004/0123984	07-01-2004	Vall		/
	A177	US-2004/0124015	07-01-2004	Valle, et al.		/
	A178	US-2004/0129456	07-08-2004	Vail	/	
	A179	US-2004/0140128	07-22-2004	Vail		7
	A180	US-2004/0173358	09-09-2004	Haugen		_
	A181	US-2004/0216925	11-04-2004	Metcalfe, et al.		
	A182	US-2004/0112646	06-17-2004	Vall		
W	A183	US-Re 34,063	09-15-1992	Vincant, et al.		
	A184	US-		· · · · · · · · · · · · · · · · · · ·		
	A185	US-				
	A186	US-			70	
	A187	US-				
	A188	US-				
	A189	US-				
	A190	US-				

Examiner Initials*	Cite No.1	Foreign Patant Document	Publication Data	Name of Patentee or	Pagas, Columns, Linas,		
minaia.	No.	Numbar-Kind Code ^{2 (d known)}	MM-DD-YYYY	Applicant of Cited Document	Where Ralevant Passagas or Relevant Figures Appear		
BW	B46	FR 2741907	06-06-1997	Leighton		_	
,	B47					_	
	B48					_	
	B49					—	
	B50					_	

Examinar

Date Considered

(Examinar)

Examinar

Date Considered

(Examinar)

Examinar

Date Considered

(Examinar)

Date Considered

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to fits (end by the USPTO to process) an explication. Collection (1.1%) is governed by 53 U.S.C. 122 and 37 CFR 1.14. This collection is seriment to table 2 Novem to correste, including gathering, presenting, and examining the controlled application from the controlled application from the collection from the collection of the collection of the collection from the collectio → [+]

Approved for use through 08/30/2008. OMB 0851-0031
U.S. Patent and Tordermit Office: U.S. OFPARTMENT OF COMMERCE

,			Attorney Docket Number Customer No.	WEAT/0116.C1 36735	_	
,	-		Attorney Docket Number	WEAT/0116.C1		
		,		Unknown WEAT/0116.C1		
// log on many shorts on an			Examiner Name			
ATEMENT BY AP	PLIC	CANT	Group Art Unit	3672		
			First Named Inventor	David M. Haugen		
			Filing Date	July 23, 2003		
tute for form 1449B/PTO			Application Number	10/625,840	_	
	ORMATION DISC ATEMENT BY AP	ORMATION DISCLOS		The for form 14498/PTO ORMATION DISCLOSURE THIS Name Inventor Name APPLICANT Group At Unit Examiner Name	Filing Date July 23, 2003	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials* Cite No.* Cite No.* Cite No.* Cite No.* Cite No.* Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), bitle of the item (book, magszine, journal, senial, symposium, catalog, etc.), date, page(s), volume-issue number(e), publisher, city and/or country where published DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998 YAKOV A. GELFGAT, MIKHAILL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillippe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464 TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003 LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1990, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages			NON PATENT LITERATURE DOCUMENTS	
Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998 YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillippe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464 TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003 LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages			item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue	T²
Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464 TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003 LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	ZIW.		Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59,	
Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003 LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages			Drill Bit Technology - Drilling Without Pulling Out Drillpipe, Advanced Drilling	
Manufacturing, 1992, 11 Pages Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages			Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC	
Catalog 80, 1980, 5 Pages Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages				
February 1997, 2 Pages The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997 MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages				
MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages		*	Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
Drilling Contractor, September 1994, 4 Pages 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages			The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
TESCO Drilling Technology, April 1998, 2 Pages			MIKE KILLALEA, Portable Top Drives: What's Driving The Marked?, IADC, Drilling Contractor, September 1994, 4 Pages	
Evernings On 1/4 1	V		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	
Date Considered 9/(3/0.5)	Examiner	1	Date Considered 4/(5/o.	ک

EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is received by 37 CFE 188. The Information is required to cotain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confederationally in governor by 38 U.S.C. 138 and 27 GFM11 or The confederation is estimated to take 2 hours to complete, including gathering preparing, and submitting the confederation of the

PTO/SB/03b (08-03)

Approved for use through 08/30/2006, CMB 0851-0031
U.S. Patent and Tondemark Office: U.S. DEPARTMENT OF COMMERCE

	Linder the Pagen	nd Red	ction Act of 1995	no parsons are remarked to respond to a collec-	tion of information unless it displays a valid (
Substitute	o for form 1449B/PTO			Application Number	10/625,840			
				Filing Date	July 23, 2003			
INFO	RMATION DISC	CLO	SURE	First Named Inventor	David M. Haugen			
STA	TEMENT BY AP	PLIC	CANT	Group Art Unit	3672			
				Examiner Name	Unknown			
	(Use as many sheets as ne	cessary)	Attorney Docket Number	WEAT/0116.C1			
				Customer No.	36735			
Sheet	12	of	12	Submission Date	January 13, 2005			

Learning to the time (book, magazine, journal, sarial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published 500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages			
Local liner (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published 500 or 650 HCIS Top Drive. Powerful Hydraulic Compact Top Drive Drilling		NON PATENT LITERATURE DOCUMENTS	
500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996	T²	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	
Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996		500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages	ZW
		Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996	3W
Examiner Symula Date Considered U.	7 -		

"EXAMINER: initial is interence considered, whether or not cliation is in conformance with MBTEP 609, Draw tine litrouph cliation is not in conformance and not considered, include copy of this form with next communication to applicant. I Applicant's unique cliation designation number (optional), 2 Applicant is to place a check mark here if English language Translation is started.

This collection of Information is required by 37 CFR 1,98. The information is required to obtain or relain a benefit by the public which is to file (and by the USPTO to process) en application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, clinicating estimating, preparing, end submitting to the public of the public of

Approved for use through 07/31/2006, ONB 0851-0331

U.S. Patient and Trateman Killed Collect a Support of the Collection of the Collection

Substitute for form 1449A/PTO

INFORMATION DISCLOSURES

41----

(Use as meny sheets as necessary)

Sheet 1 of

×	responsible recommon to respond to a conde	NOTE OF THE OWNERS OF DISTRIBUTE A VALID COME CONTROL NUMBER
	Application Number	10/625,840
	Filing Date	July 23, 2003
	First Named Inventor	David M. Haugen
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0116.C1
	Submission Date	

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Cetomis, Lines, Where
iiiluais		Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Peges, Cetymas, Lipes, Where Relevant Passages of Relevant (a.s. Figures Appear
3VW	A2	6,423,241	09-02-2002	Juhasz, et al	
	A1	6,536,520	03-25-2003	Snider, et al	
V	A3	6,725,938	04-27-2004	Pietras	
7	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-		,	
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			: .
	A16	US-			1.0
	A17	US-			
	A18	US-			

HE DATENT DOCUMENTS

		FOR	EIGN PATENT I	DOCUMENTS					
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Page	s, Column	s, Lines,	To.	
muais"	No.1	Number-Kind Code ^{2 (F Irrown)}	MM-DD-YYYY	Applicant of Cited Document	ent Where Relevant Passage Relevant Figures Appe			or	
	B1								
	B2								
	В3							<u></u>	
	B4							T	
	B5							T	
Examiner	A	Jubli		Date Considered	4	130	5		

EXAMINER: Initial if reference considered, whether or not classon is in conformance with MPEP 809. Drew line through classon if not in conformance and not considered. Include, copy of this form with next communication to applicant. Applicant's unique classion designation number (optional). It sees fixed Codes of USPTO Platent Documents where wavesplog your other PORP 901.01.4. Extend Coffice with Issued the document, by the vehiclate code (VIPPO Standard ST.3), For Japanese patient documents, the includes of the year of the rigin of the Emperor must precede the serial number of the potent document, such of document by the appropriate symbols as indicated on the document under WIPPO Standard ST.1 of Inspirate Plant to place a check mark here if English imagese Translation is absolute.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to oppose) any page for the public which is to file (and by the USPTO to oppose) any page for the public which is to file (and by the USPTO to oppose) and the public which is to file (and by the USPTO to oppose) and the public which is to file (and by the USPTO to oppose) and the public which is to oppose the USPTO to oppose the public which is to oppose the USPTO to o

<u> </u>	Sheet 1 of 0 sheet(s										
by.S. D)epar	tment o	f Commerce, Pate	nt and Tradem	ark Office	Docke	t No.	Serial	No.		
		_	nodified)				/0116.C1	10/62	5,840		
			S AND PUBLICAT		. ે જી		ant M. Haugen	Confirma 8946	ation No.: ,		
(Use s	evera	al sheet	ts if necessary)	DEC 0	8 2003	Filing [Date	Group)		
		1	Examiner Unkn	own	*	July 23	3, 2003	3672			
U.S. P	aten	t Docur	ments	lssue	FULPY						
*Exami Initial	iner		Document Number	Issue Date	Applicant(s) Name	Class	Subclas	ss Filing Da Appropri			
ZA	IJ	A1	6,431,626	03-13-2002	Bouligny	294	86.25	7			
- 1		A2	6,412,554	07-02-2002	Allen et al.	166	80.1				
		АЗ	6,360,633	03-26-2002	Pietras	81	57.34		74.0		
		A4	6,349,764	02-26-2002	Adams et al.	166	77.53				
		A5	6,311,792	11-06-2001	Scott et al.	175	162				
		A6 6,309,002 10-30-2001 Bouligny		Bouligny	294	86.25					
		A7	6,199,641	01-13-2001	Downie et al.	173	55	1			
		A8	6,070,500	06-06-2000	Dlask et al.	81	57.33				
		A9	6,056,060	6,000,472	Albright et al.	166	380				
		A10	6,000,472	12-14-1999	Albright et al.	166	380				
		A11	5,971,079	10-26-1999	Mullins	166	387				
	/	A12	5,909,768	06-08-1999	Castille et al.	166	77.1				
ט	7	A13	5,836,395	11-17-1998	Budde	166	321				
Foreig	n Pa	tent Do	cuments								
*Exami	iner	Document		Date	Country	Class	Subclass	Trans	slation		
Initial			Number					YES	NO		
By	/	B1	WO 00/39430	07-06-2000	WIPO	E21B	19/16		×		
		B2	WO 00/39429	07-06-2000	WIPO	E21B	19/16		\boxtimes		
		В3	WO 00/11311	03-02-2000	WIPO	E21B	19/16		\boxtimes		
		B4	WO 00/11310	03-02-2000	WIPO	E21B	19/16		⊠		
		B 5	WO 00/11309	03-02-2000	WIPO	E21B	19/16		\boxtimes		
V											
*Examin	10r		Including Author, T	itle, Date, Pertin	ent Pages, Etc.						
34	_	C1	Autoseal Circulat								
		C2	Valves, Wellhead						180		
		СЗ	Top Drive Drilling	3 Systems, Car	ırig, Feb. 97 In H	art's Petro	leum Engir	neer			
Exami			- Lhan				onsidered	4/13/	20		
*EXAM	IINEF h cita	₹: Initial tion if n	I if reference consi- ot in conformance	dered, whether and not consid	or not citation is dered. Include c	in confort opy of this	mance with form with y	MPEP 609; our commun	Draw line nication to		

applicant.

<u> </u>	Sheet 2 of 6 sheet(
_			of Commerce, Pate	ent and Tradem	nark Office	Docket	No.	Se	rial No.		
			modified)			WEAT	0116.C1	10	/625,840		
			S AND PUBLICA	/			nt II. Haugen		irmation No.:		
(Use s	ever	al shee	ts if necessary)	MEC.	8 2003	Filing D	ate	Gr	oup		
			Examiner Unkr	nown	Z.	July 23	, 2003	36	72		
U.S. F	at n	t Docu	ments	PAE	FULAT OF						
			Document Number	Issue Date	Applicant(s) Name	Class	Subclas		Date If opriate		
1/2	N	A14	5,803,191	09-08-1998	Mackintosh	175	170		·		
		A15	5,791,410	08-11-1998	Castille et al.	166	77.1				
		A16	5,735,348	04-07-1998	Hawkins, III	166	285				
	A17 5,645,131 07-08-1997 Trevisani		Trevisani	175	171						
		A18	5,584,343	12-17-1996	Coone	166	387				
	A19 5,577,566 11-26-1996 Albright e		Albright et al.	175	321						
		A20	5,553,672	5,553,672 09-10-1996 Smith, Jr.		166			1		
		A21	5,503,234	04-02-1996	Clanton	175	52	_			
		A22	5,501,286	03-26-1996	Berry	175	52				
		A23	5,433,279	07-18-1995	Tessari et al.	173	213				
		A24	5,388,651	02-14-1995	Berry	175	85				
	1_	A25	5,351,767	10-04-1994	Stogner et al.	175	162				
A26 5,297,833 03-29-1994 Will					Willis, et al.	294	102.2				
Foreig	n Pa	tent Do	cuments								
*Exami	ner		Document	Date	Country	Class	Subclass	Tr	anslation		
Initial			Number					YES	NO		
151	V_	В6	WO 00/05483	02-03-2000	WIPO	E21B	19/16		\boxtimes		
		B7	2 357 530	06/27/2001	GB	E21B	19/07		\boxtimes		
		B8	WO 98/32948	07-30-1998	WIPO	E21B	19/16		\boxtimes		
		B9	WO 98/05844	02-2-1998	WIPO	E21B	19/16		\boxtimes		
<u>'</u>		B10	EP 0 659 975	06-28-1995	EP	E21B	43/08		\boxtimes		
OTHE	R AR	Т									
*Examin Initial	er		Including Author, T	itle, Date, Pertin	ent Pages, Etc.						
3.	W	C4	More Portable To	p Drive Installa	ations, Tesco Dri	illing Techn	ology, 199	7			
		C5	Portable Top Driv	ves, Drilling Co	ntractor, Cover 8	3pp. Sept	. 1994				
	\angle	C6	500 or 650 HCIS	TOP DRIVE, T	esco Drilling Te	chnology, 4	/98				
Examir	ner		Show			Date Co	nsidered	4/	3/05		
*EXAM	INEF	R: Initial	if reference consi	dered, whether	or not citation is	in conform	ance with	MPEP 6	09: Draw line		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Sheet 3 of 6 sheet(s) U.S. Department of Commerce, Patent and Trademark Office Docket No. Serial No. (PTO Form 1449 modified) WEAT/0116.C1 10/625.840 LIST OF PATENTS AND PUBLICATIONS CHECKEYARPLICANT Applicant Confirmation No.: David M. Haugen 8946 DEC 0 8 2003 (Use several sheets if necessary) Filing Date Group PARENT Examiner Unknown July 23, 2003 3672 U.S. Pat nt Documents *Examiner Document Issue Applicant(s) Class Subclass Filing Date If Initial Number Date Name Appropriate 5.282,653 02-01-1994 A27 LaFleur et al. 285 110 A28 5.255.751 10-26-1993 175 Stoaner 203 A29 5.251.709 10-12-1993 Richardson 175 220 A30 5.191.939 03-09-1993 Stokley 166 379 A31 5.036.927 08-06-1991 Willis 175 162 A32 5 009 265 04-23-1991 Bailev et al. 166 118 A33 4.997.042 03-05-1991 Jordan et al. 166 379 A34 4.878.546 11-07-1989 Shaw et al. 173 163 A35 4.867.236 09-19-1989 Hanev et al. 166 77.5 A36 4.836.064 06-06-1989 Slator 81 57.18 4,813,493 173 A37 03-21-1989 Shaw et al. 164 A38 Shaw et al 175 4 800 968 01-31-1989 85 A39 4 793 422 12-27-1988 Krasnov 175 57 Foreign Patent Documents *Examiner Document Date Country Class Subclass Translation Initial Number YES NO R11 WO 96/18799 06-20-1996 WIPO E21B П Ø 19/16 B12 WO 93/07358 04-15-1993 WIPO E21B 37/00 Ø B13 0 525 247 A1 02-03-1993 FΡ E21B 3/02 П R14 GB 2 224 481 09-05-1990 UK B66C 1/56 M **B**15 0 171 144 A1 Ø 02-12-1986 UK B66C 1/56 OTHER ART *Examiner Including Author, Title, Date, Pertinent Pages, Etc. Initial 36 C7 500 or 650 ECIS TOP DRIVE, Tesco Drilling Technology, 4/98 CB Product information, (Sections 1-10) Canrig, 1996

Date Considered *EXAMINER: Initial ff reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

C9

Examiner

MA.

•								Sheet 4	of 6 sheet(s	
U.S. I	Depar	tment o	f Commerce, Pate	nt and Tradem	ark Office	Docket	Docket No. Serial No.			
			nodified)			WEAT	/0116.C1	10/62	5,840	
LIST	OF P	ATENT	S AND PUBLICAT		APPLICANT	Applica David I	ant M. Haugen	Confirm 8946	ation No.:	
(Use	severa	al sheet	ts if necessary)	DEC 0	8 2000 2	Filing D	Date	Group	,	
		1	Examiner Unkn	own 🗸	*	July 23	, 2003	3672		
U.SF	at n	t Docu	ments	PRABE	In. G	•				
*Examiner Document Number				Issue Date	Applicant(s) Name	Class	Class Subclass		ate If	
751	Ų_	A40	4,791,997	12-20-1988	2-20-1988 Krasnov		175 57			
		A41	4,773,689	09-27-1988	Wolters	294	88			
	1	A42	4,765,401	08-23-1988	Boyadjieff	166 77.53				
		A43	4,742,876	05-10-1988	Barthelemy et al.	175	7			
		A44	4,762,187	08-09-1988	Haney	175	171			
		A45	4,759,239	07-26-1988	Hamilton et al.	81	57.34			
		A46	4,709,599	4,709,599 12-01-1987 Buck		81	57.18			
		A47	4,683,962	08-04-1987	True	173	173 163			
		A48	48 4,676,312 06-30-1987		Mosing et al.	166	77			
		A49	4,649,777	03-17-1987	Buck	81	81 57.19			
	,	A50	4,625,796	12-02-1986	Boyadjieff	166	77.5			
	$\overline{}$	A51	4,605,077	08-12-1986 Boyadjieff 175 85						
-		A52	4,604,724	08-05-1986	Shaginian et al.	700	213			
Forei	gn Pa	tent Do	ocuments							
*Exam	iner		Document Date		Country	Class	Subclass	Translation		
Initial			Number					YES	NO	
12	W	B16	EP 01 62000A1	11-21-1985	EP	E21B	19/06		×	
-		B17	WO 98/11322	09-19-1998	WIPO	E21B	19/16			
	1	B18	0 285 386	10-05-1988	EP	E21B	19/16			
($\overline{\mathbb{V}}$	B19	WO 99/41485	08-19-1999	WIPO	E21B	19/20		\boxtimes	
		B20								
OTHE	RAR	T								
*Examiner Including Author, Title, Date, Pertin					nent Pages, Etc.					
		C10								
		C11								
		C12							/	
Exam	iner		Triwal			Date C	onsidered	4/131	20	
throug	Examiner Date Considered 9//3/03: "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.									

j	Sheet 5 of 6 sheet											
U.S.	Depart	ment o	f Commerce, Pate	nt and Trade	ma	rk Office	Docket	No.		Serial	No.	
			nodified)				WEAT	/0116.C	1	10/625	,840	
LIST	OF PA	TENT	S AND PUBLICAT	IONS CHE	B	EAPPLICANT	Applica David I	ant M. Hauç	gen	Confirmation No.: 8946		
(Use	severa	al shee	ts if necessary)	DEC 0	0 8	2003 👊	Filing [Date		Group		
			Examiner Unkn	own		<i>E</i> /	July 23	July 23, 2003 3672				
U.S.	Patent	Docu	ments	an.	ABE	W. B. C.						
*Exar	niner		Document Number	Issue Date		Applicant(s) Name	Class	Sut	class	Filing Dat Appropria		
My A53		A53	4,593,773	06-10-1986		Skeie	175	85				
	1_	A54	4,570,706	02-18-1986	; [Pugnet	166	77.	5			
	Π	A55	4,529,045	07-16-1985	5	Boyadjieff et al.	173	164	1			
		A56	4,494,424	01-22-1985	5	Bates	81	57.	18			
		A57	4,449,596	05-22-1984	П	Boyadjieff	175	85				
	A58 4,437,363		03-20-1984		Haynes	81	57.	18				
		A59	4,320,915	03-23-1982	2	Abbott et al.	294	96				
		A60	4,100,968	07-18-1978	3	Delano	166	315	5			
		A61	3,913,687	10-21-1975		Gyongyosi et al.	175	85				
		A62	3,857,450	12-31-1974		Guier	175	85				
		A63	3,848,684	11-19-1974	ī	West	175	198	5			
	/	A64	3,776,991	12-04-1973	3	Marcus	264	89				
A	A65 3,766,320 10-16-1973 Homme 179		5R									
Fore	ign Pa	tent D	ocuments									
*Exar			Document Number	Date	C	ountry	Class	Subcla	iss	Trans	lation NO	
		B21										
		B22			┢						一一	
		B23			-				_		-	
		B24			H				\dashv	ñ		
		B25			\vdash				_	듬	_ <u>_</u>	
ОТН	ER AR	L		11	١		•					
*Exam	niner		Including Author,	litle, Date, Per	rtine	ent Pages, Etc.						
		C13										
		C14										
		C15								,	,	
Exan	niner		Polval	$\overline{}$			Date C	conside	red	ali	305	
throu	Examiner Date Considered GID of Sex Miner Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.											

Sheet 6 of 6 sheet														
U.S. Department of Commerce, Patent and Trademark Office								Docket No.				Serial No.		
(PTO Form 1449 modified)								WEAT/0116.C1				10/625	5,840	
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT								Applicant David M. Haugen				Confirma 8946	ation No.;	
(Use several sheets if necessary)									Filing Date			Group		
Examiner Unknown								July 23, 2003				3672		
U.S. Pat nt Documents														
Examiner			Document Number	Issue Date		Applicant(s) Name		Class		Subclass		Filing Date If Appropriate		
Zuh)	A66	3,747,675	07-24-1973	,	Brown		166		237				
	Π	A67	3,691,825	09-19-1972	,	Dyer		73		136A				
		A68	3,635,105	01-18-1972	,	Dickmann et al.		81		57.18				
		A69	3,570,598	03-16-1971		Johnson	166			178				
		A70	3,566,505	03-02-1971		Martin	٦	29		200				
		A71	3,380,528	04-30-1968		Timmons		166		14				
		A72	3,193,116 .	07-06-1965		Kennedy et al.	٦	214		2.5				
		A73	3,041,901	07-03-1962		Knights		81	٦	53	٦			
		A74	1,917,135	07-04-1933	П	Littell	٦	294		86.15				
		A75	2002/0134555 A1			Allen et al.		166		377		12-07-2001		
V		A76	2001/0042625			Appleton	٦	166		379		07-30-2001		
		A77									-			
		A78												
For ign Patent Documents														
*Examiner Initial			Document Number	Date C		Country		Class S		ubclass		Translation YES NO		
		B26			H		H						П	
	_	B27			1		-	-+				\dashv	- 	
	_	B28			r		_					H		
		B29			Г		-					ᆔ	- 	
		B30			Г		_		_			Ħ l		
OTHER ART														
Treaminer Initial Including Author, Title, Date, Pertinent Pages, Etc.														
		C16							_					
		C17			Т									
		C18			_								1	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									Date Considered 4 13 05					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.														

38155_1